

bs-4563R**[Primary Antibody]**

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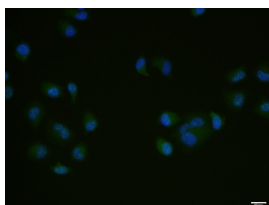
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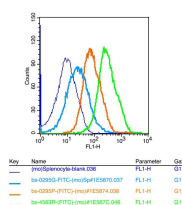
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Bcl-2 Rabbit pAb**DATASHEET**

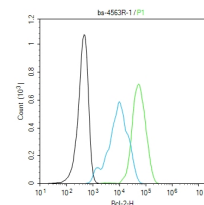
Host: Rabbit Clonality: Polyclonal GeneID: 596 Target: Bcl-2 Immunogen: KLH conjugated synthetic peptide derived from human Bcl-2: 161-239/239. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: The Bcl-2 gene was isolated at the chromosomal breakpoint of t(14;18)-bearing follicular B cell lymphomas(1,2).Bcl-2 blocks cell death following a variety of stimuli and confers a death-sparing effect to certain hematopoietic cell lines following growth factor withdrawal (3,5).Bcl-2 appears to function in several subcellular locations yet lacks any known motifs that would confer insight into its mechanism of action (6,7).A more recently identified protein,designated Bax p21(i.e., Bcl-associated X protein),has extensive amino acid homology with Bcl-2 and both homodimerizes and forms heterodimers with Bcl-2(8). Overexpression of Bax accelerates apoptotic death induced by cytokine deprivation in an IL-3 dependent cell line and Bax also counters the death repressor activity of Bcl-2(8).	Isotype: IgG SWISS: P10415	Applications: Flow-Cyt (1µg/Test) ICC/IF (1:50-200) Reactivity: Human, Mouse (predicted: Rat) Predicted MW.: 26 kDa Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus
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VALIDATION IMAGES

Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Bcl-2) polyclonal Antibody, Unconjugated (bs-4563R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control: mouse splenocytes(blue) Isotype Control Antibody: Rabbit IgG(orange) ; Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:100 in 1 X PBS containing 0.5% BSA ; Primary Antibody Dilution: 1µl in 100 µL1X PBS containing 0.5% BSA(green).



The HeLa (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.).Primary Antibody (green):Rabbit Anti-Bcl-2 antibody (bs-4563R): 1 µg/10⁶ cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-FITC (bs-40295G-FITC): 1 µg/test. Blank control (black): PBS. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=15.153]** Xu Chen. et al. Chiral Ruthenium Nanozymes with Self-Cascade Reaction Driven the NO Generation Induced Macrophage M1 Polarization Realizing the Lung Cancer “Cocktail Therapy” . SMALL. 2023 Apr;;2207823 WB ;Mouse. 37029560
- **[IF=11.357]** Sinuo Tian. et al. Widening the Lens on Prothioconazole and Its Metabolite Prothioconazole-Desthio: Aryl

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Hydrocarbon Receptor-Mediated Reproductive Disorders through in Vivo, in Vitro, and in Silico Studies. ENVIRON SCI TECHNOL. 2022;XXX(XXX):XXX-XXX WB ;Human. 36332113

- **[IF=9.9]** Yue Yang. et al. Urolithin A protects severe acute pancreatitis-associated acute cardiac injury by regulating mitochondrial fatty acid oxidative metabolism in cardiomyocytes. MedComm. 2023 Dec;4(6):e459 WB ;Mouse. 38116065
- **[IF=6.656]** Muhammad Fakhar-e-Alam Kulyar. et al. Chlorogenic acid suppresses miR-460a in the regulation of Bcl-2, causing interleukin-1 β reduction in thiram exposed chondrocytes via caspase-3/caspase-7 pathway. PHYTOMEDICINE. 2022 Sep;104:154296 WB,IF ;Chicken. 35809377
- **[IF=6.639]** Amelia J. Hessheimer. et al. Somatostatin Therapy Improves Stellate Cell Activation and Early Fibrogenesis in a Preclinical Model of Extended Major Hepatectomy. Cancers. 2021 Jan;13(16):3989 IF ;Pig. 34439143